

## ABSTRACT OF THE DISCLOSURE

A method of transferring data through a bus includes the steps of: occupying the bus by a first device serving as a bus master; transferring a first predetermined number of data items of all data items to be transferred while the first device is occupying the bus; determining if the first predetermined number of data items have been transferred; determining if the first device should release the bus based on whether or not there is a request from a second device after it is determined that the first predetermined number of data items have been transferred; and releasing the bus by the first device when it is determined that the first device should release the bus.